

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100319\  
 Data File : BG043021.D  
 Acq On : 4 Oct 2019 2:27  
 Operator : JU  
 Sample : K5181-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOUTH-AVENUE-1-ABCD

Quant Time: Oct 04 07:43:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 25 15:35:52 2019  
 Response via : Initial Calibration

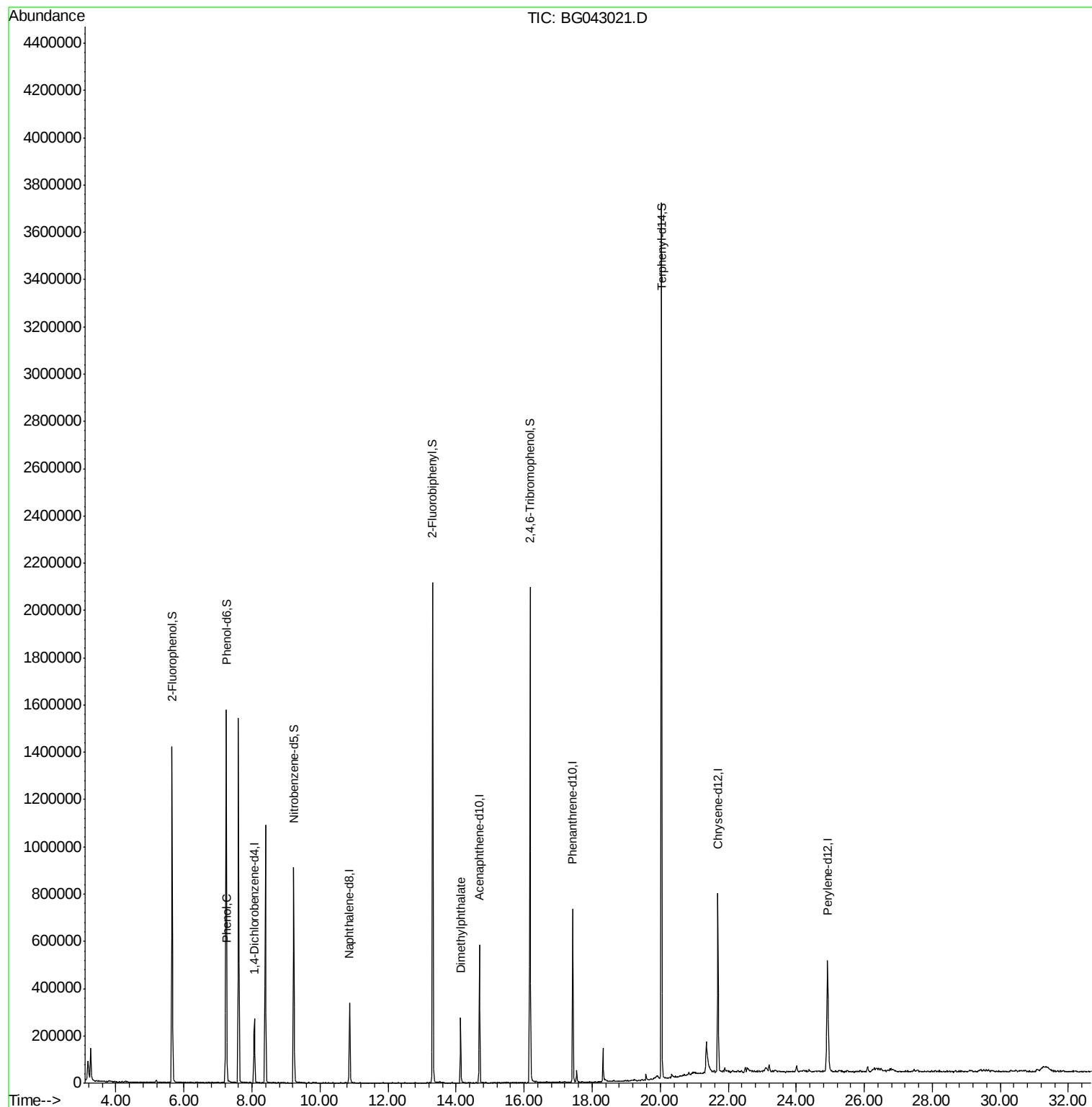
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.07  | 152  | 80332    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.87 | 136  | 296967   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.69 | 164  | 207928   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.43 | 188  | 469919   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.70 | 240  | 485779   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 24.92 | 264  | 560407   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 623688   | 138.56 | ng    | 0.00     |
| 7) Phenol-d6                | 7.24  | 99   | 905344   | 139.67 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 571204   | 93.49  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.17 | 330  | 445153   | 124.50 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.31 | 172  | 1164049  | 81.16  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.04 | 244  | 1816266  | 79.67  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.27  | 94   | 20854    | 3.507  | ng    | 93       |
| 50) Dimethylphthalate       | 14.13 | 163  | 183767   | 11.796 | ng    | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
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QLast Update : Wed Sep 25 15:35:52 2019  
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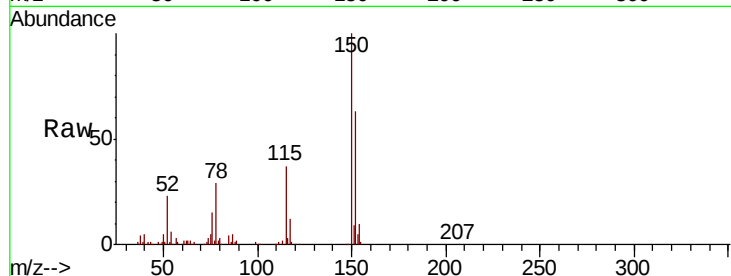


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.07 min Scan# 848  
Delta R.T. -0.01 min  
Lab File: BG043021.D  
Acq: 4 Oct 2019 2:27

Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-AVENUE-1-ABCD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.6 | 115.0 | 172.4 |
| 115     | 58.6  | 47.0  | 70.6  |

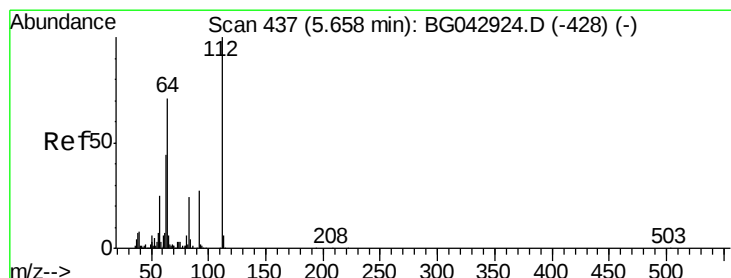
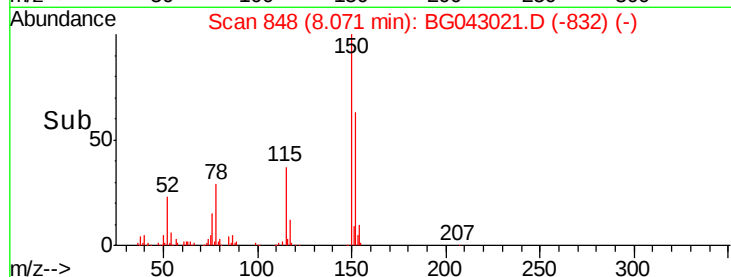
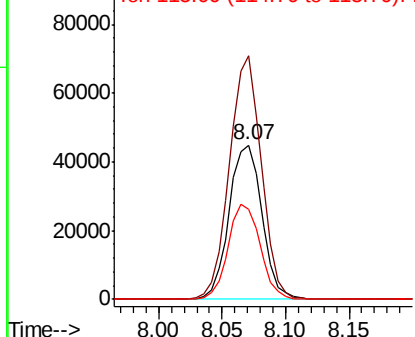


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

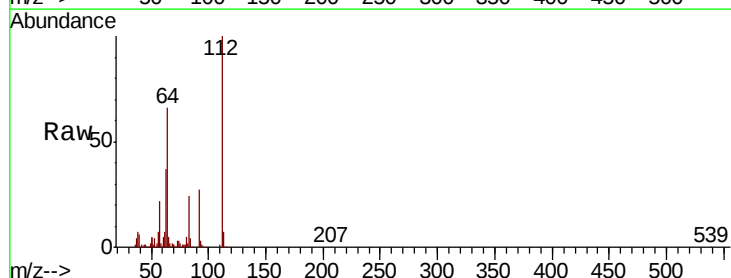
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 138.556 ng  
RT: 5.66 min Scan# 437  
Delta R.T. -0.00 min  
Lab File: BG043021.D  
Acq: 4 Oct 2019 2:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.6  | 56.6  | 84.8  |
| 63      | 37.0  | 35.1  | 52.7  |

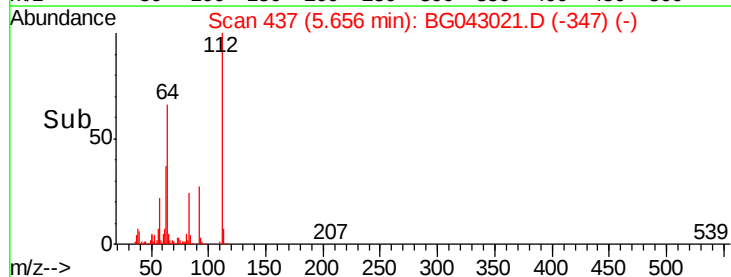
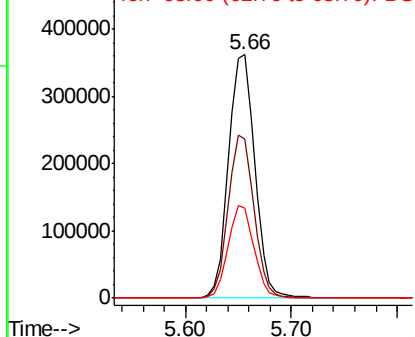


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 139.666 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.00 min

Lab File: BG043021.D

Acq: 4 Oct 2019 2:27

Instrument :

BNA\_G

ClientSampleId :

SOUTH-AVENUE-1-ABCD

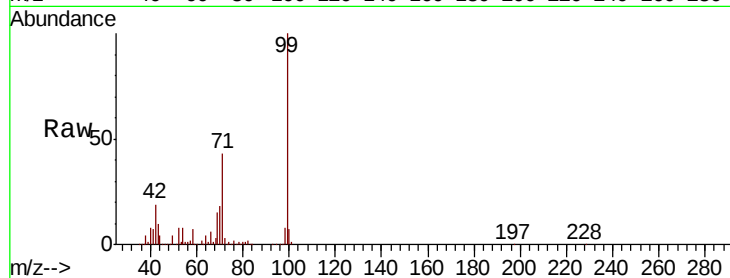
Tot Ion: 99 Resp: 905344

Ion Ratio Lower Upper

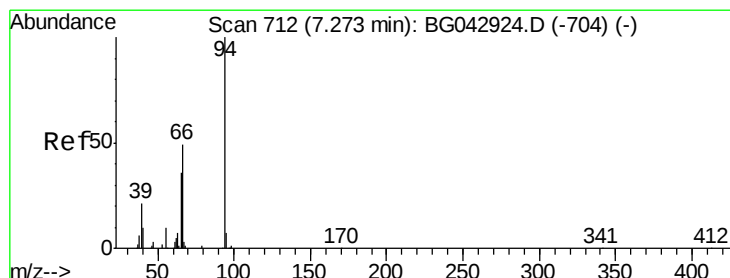
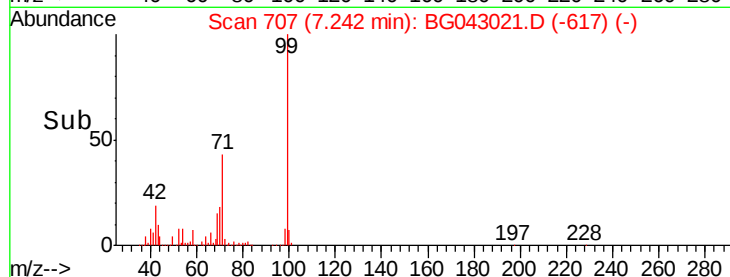
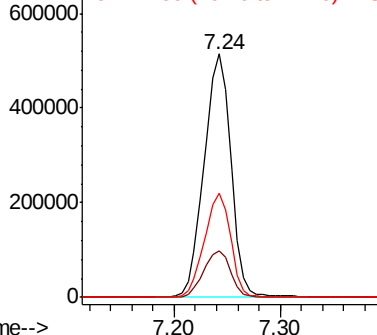
99 100

42 19.2 17.2 25.8

71 42.6 33.1 49.7



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 3.507 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BG043021.D

Acq: 4 Oct 2019 2:27

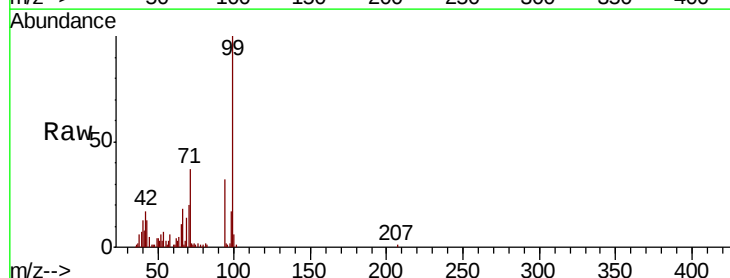
Tgt Ion: 94 Resp: 20854

Ion Ratio Lower Upper

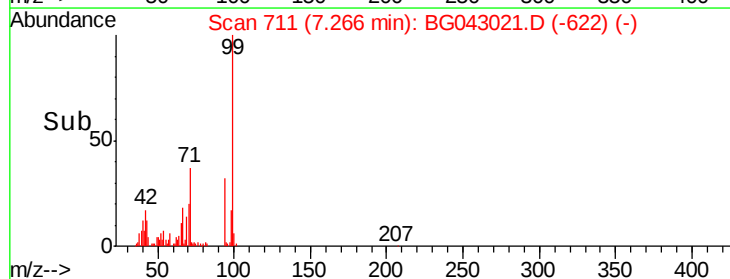
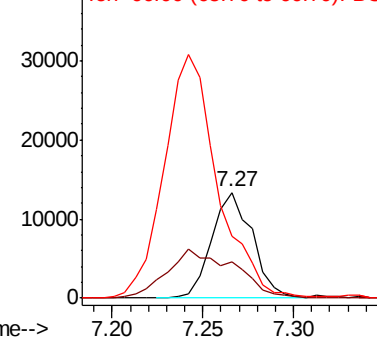
94 100

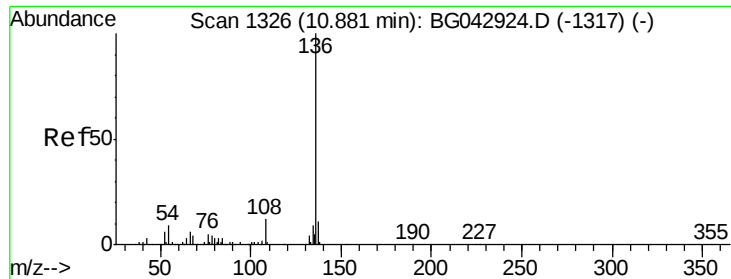
65 34.0 16.6 56.6

66 58.1 32.4 72.4



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

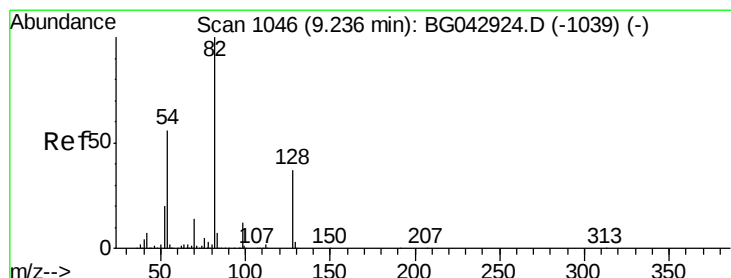
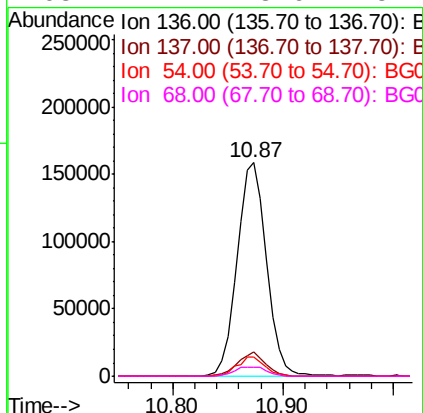
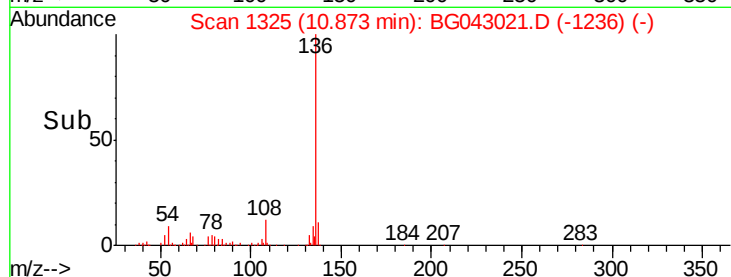
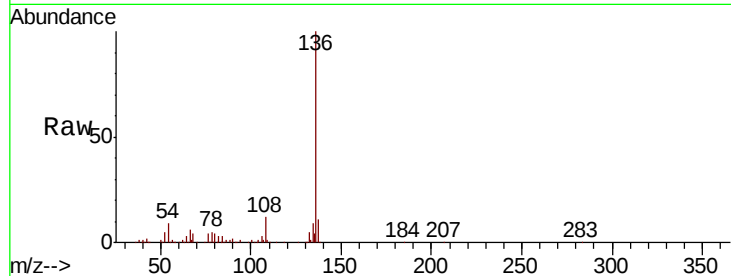




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1325  
Delta R.T. -0.01 min  
Lab File: BG043021.D  
Acq: 4 Oct 2019 2:27

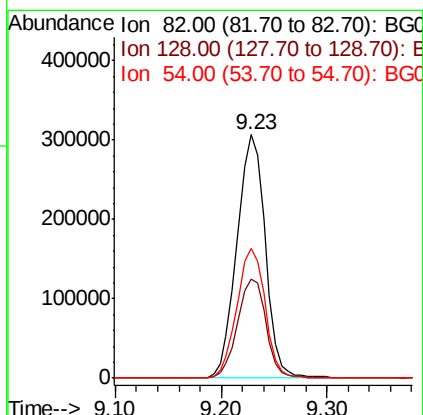
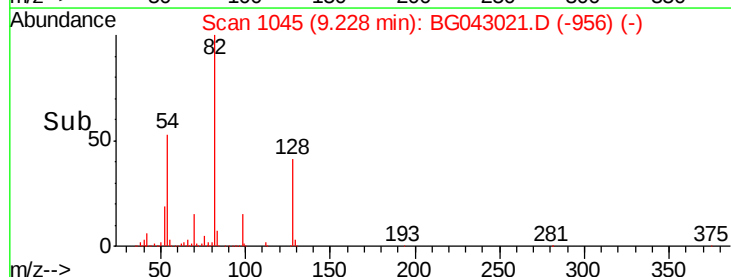
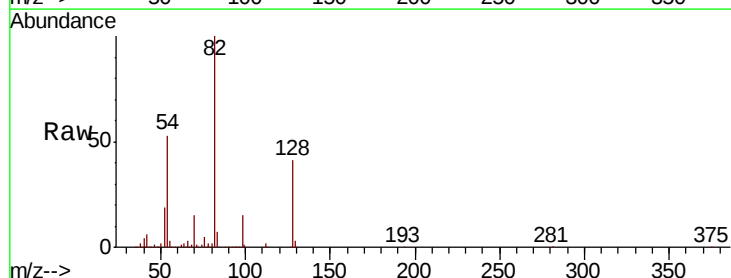
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-AVENUE-1-ABCD

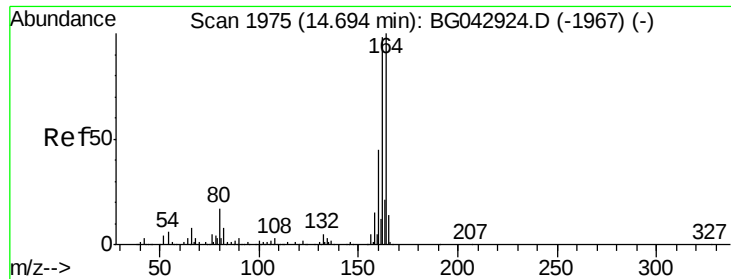
|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 296967 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.3    | 8.5 12.7     |
| 54 8.9      | 7.4 11.2     |
| 68 4.4      | 3.6 5.4      |



#23  
Nitrobenzene-d5  
Concen: 93.490 ng  
RT: 9.23 min Scan# 1045  
Delta R.T. -0.01 min  
Lab File: BG043021.D  
Acq: 4 Oct 2019 2:27

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 571204 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 40.8    | 29.5  | 44.3   |
| 54  | 53.3    | 44.6  | 67.0   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG043021.D

Acq: 4 Oct 2019 2:27

Instrument :

BNA\_G

ClientSampleId :

SOUTH-AVENUE-1-ABCD

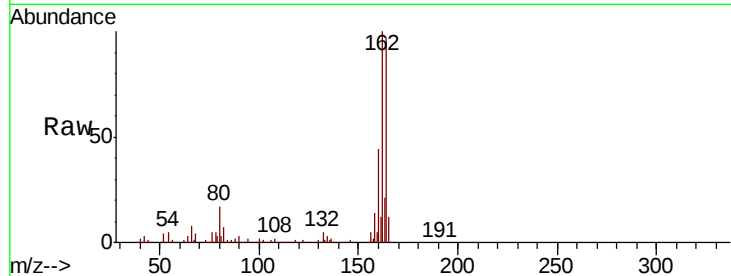
Tot Ion:164 Resp: 207928

Ion Ratio Lower Upper

164 100

162 103.0 78.5 117.7

160 45.7 35.9 53.9

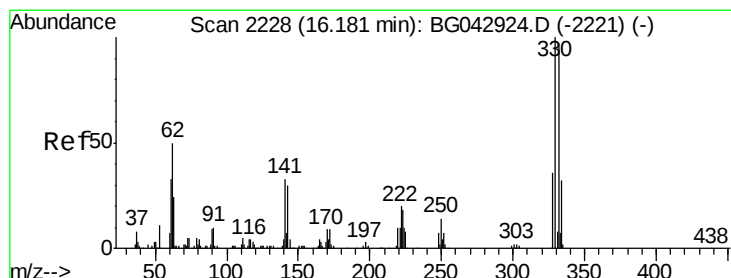
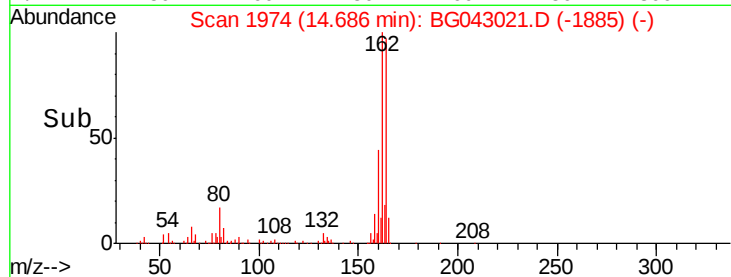
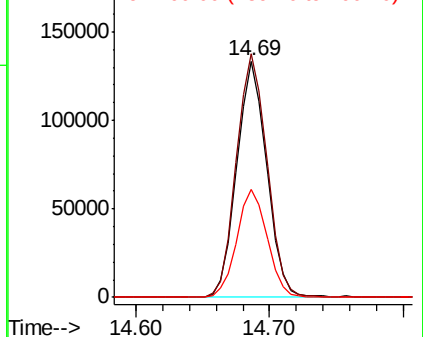


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 124.503 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG043021.D

Acq: 4 Oct 2019 2:27

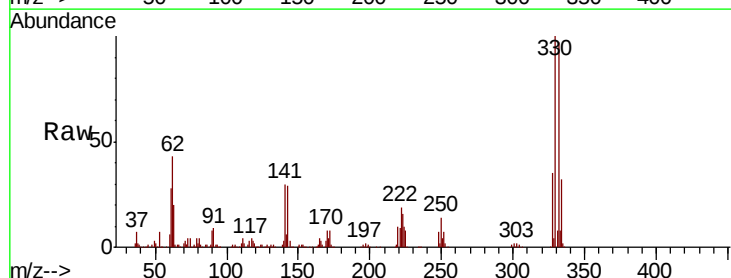
Tgt Ion:330 Resp: 445153

Ion Ratio Lower Upper

330 100

332 97.6 78.2 117.2

141 30.1 26.0 39.0

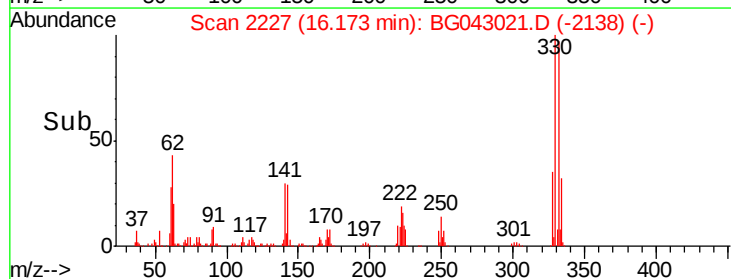
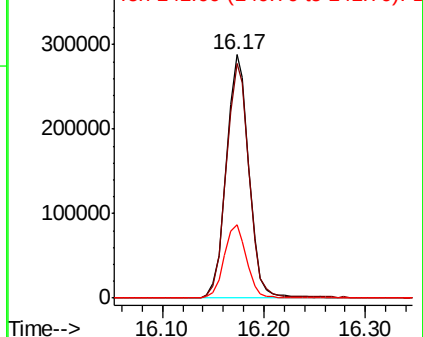


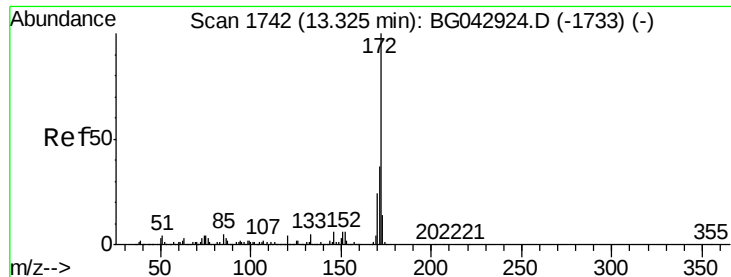
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

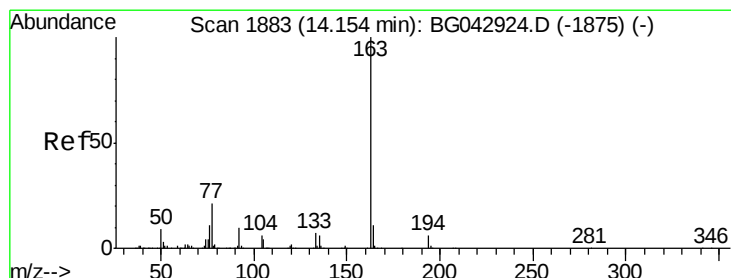
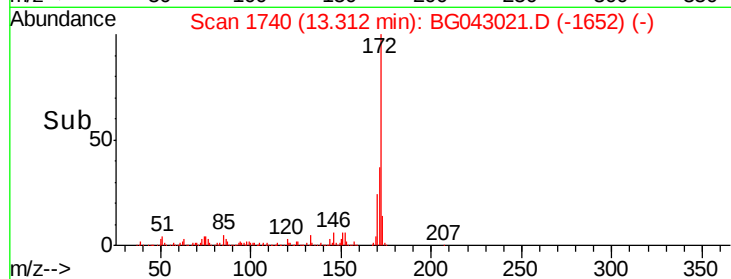
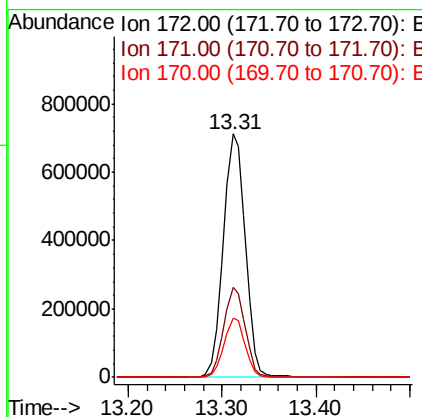
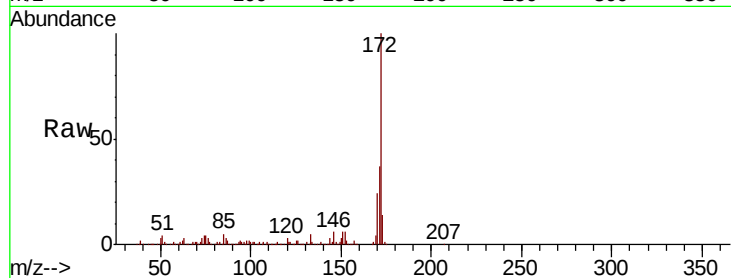




#45  
2-Fluorobiphenyl  
Concen: 81.159 ng  
RT: 13.31 min Scan# 1740  
Delta R.T. -0.01 min  
Lab File: BG043021.D  
Acq: 4 Oct 2019 2:27

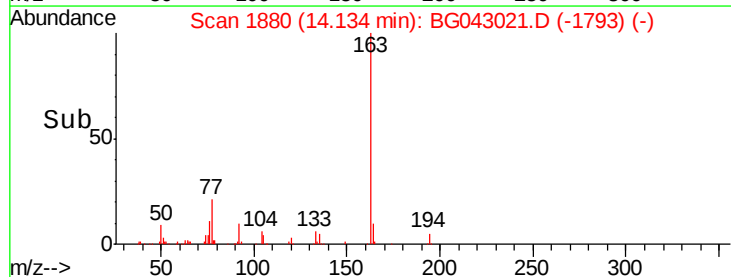
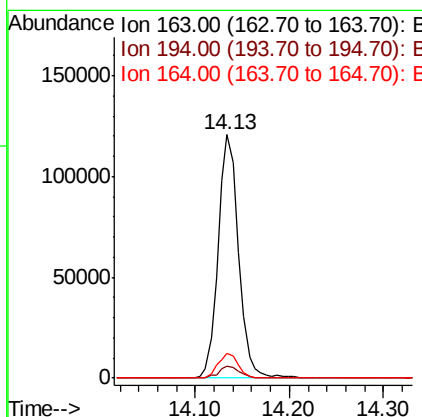
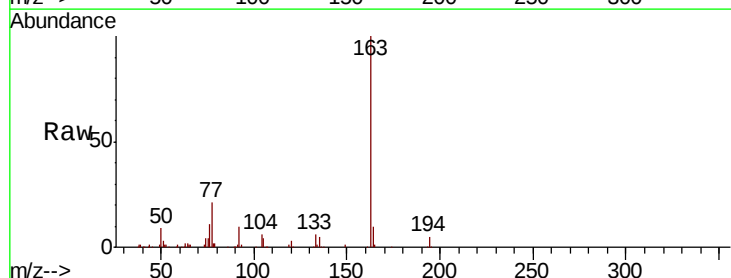
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-AVENUE-1-ABCD

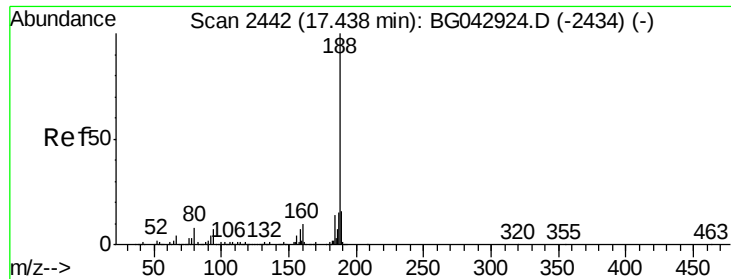
Tot Ion:172 Resp: 1164049  
Ion Ratio Lower Upper  
172 100  
171 36.8 29.6 44.4  
170 24.2 19.6 29.4



#50  
Dimethylphthalate  
Concen: 11.796 ng  
RT: 14.13 min Scan# 1880  
Delta R.T. -0.02 min  
Lab File: BG043021.D  
Acq: 4 Oct 2019 2:27

Tgt Ion:163 Resp: 183767  
Ion Ratio Lower Upper  
163 100  
194 5.0 4.4 6.6  
164 10.1 8.6 12.8

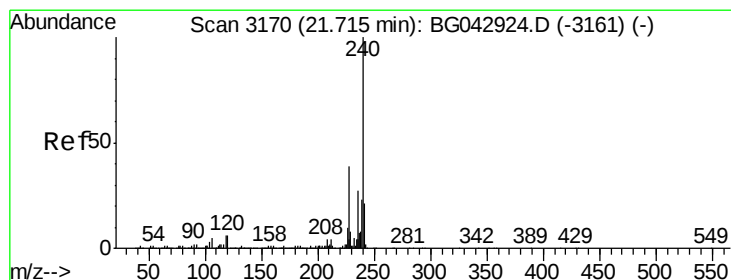
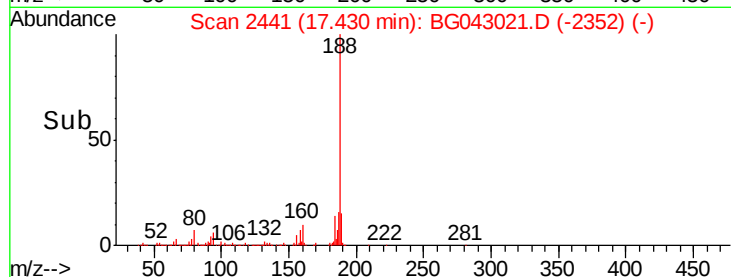
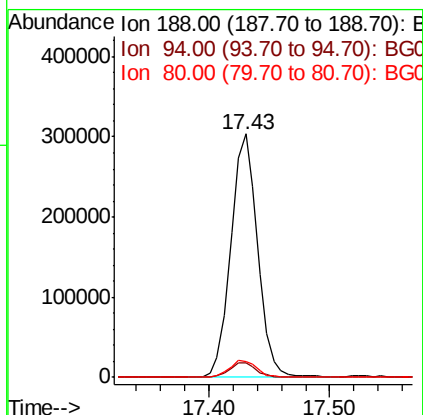
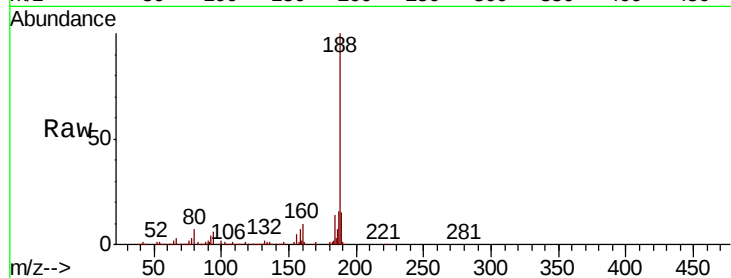




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.43 min Scan# 2441  
Delta R.T. -0.01 min  
Lab File: BG043021.D  
Acq: 4 Oct 2019 2:27

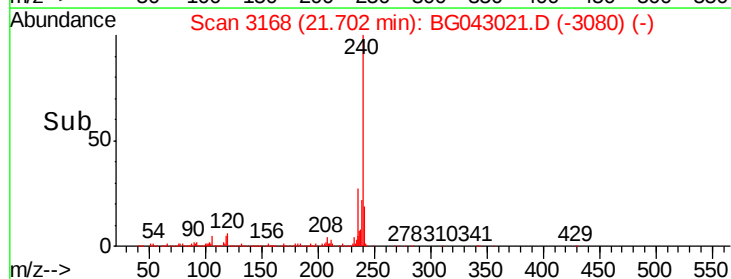
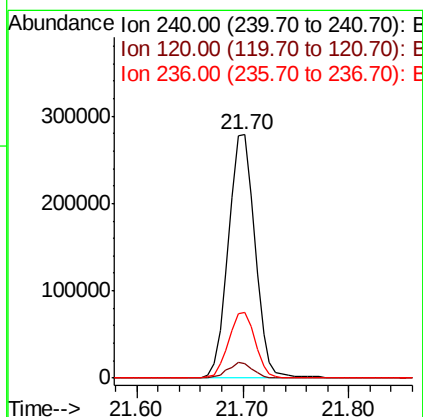
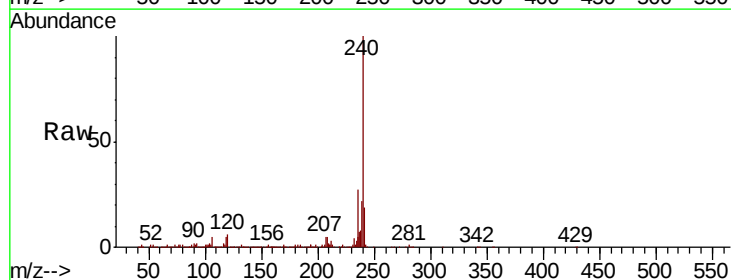
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-AVENUE-1-ABCD

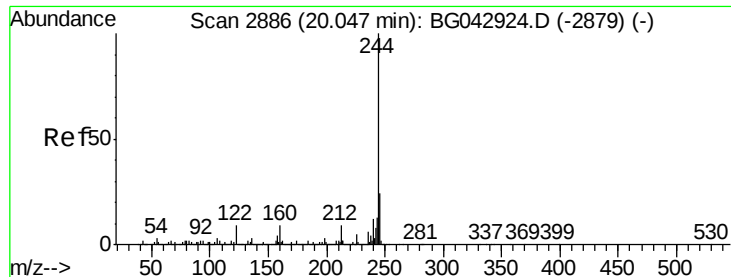
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.8   | 5.7   | 8.5   |
| 80      | 6.6   | 6.5   | 9.7   |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.70 min Scan# 3168  
Delta R.T. -0.01 min  
Lab File: BG043021.D  
Acq: 4 Oct 2019 2:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.8   | 4.8   | 7.2   |
| 236     | 27.2  | 21.4  | 32.0  |





#79

Terphenyl-d14

Concen: 79.671 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG043021.D

Acq: 4 Oct 2019 2:27

Instrument :

BNA\_G

ClientSampleId :

SOUTH-AVENUE-1-ABCD

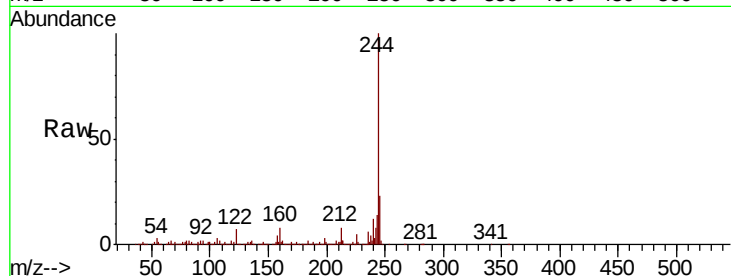
Tot Ion:244 Resp: 1816266

Ion Ratio Lower Upper

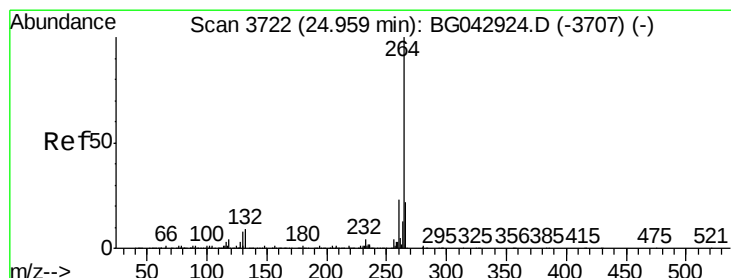
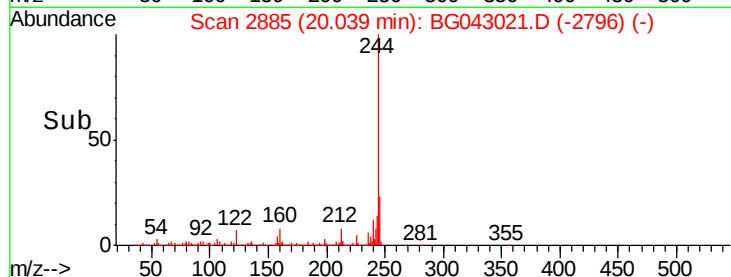
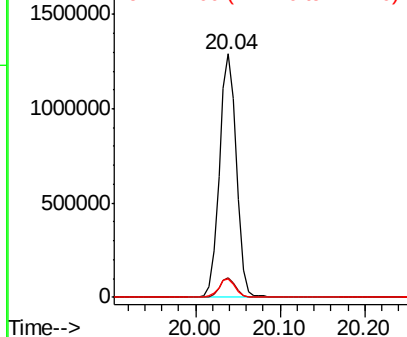
244 100

212 8.3 7.4 11.0

122 7.5 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.04 min

Lab File: BG043021.D

Acq: 4 Oct 2019 2:27

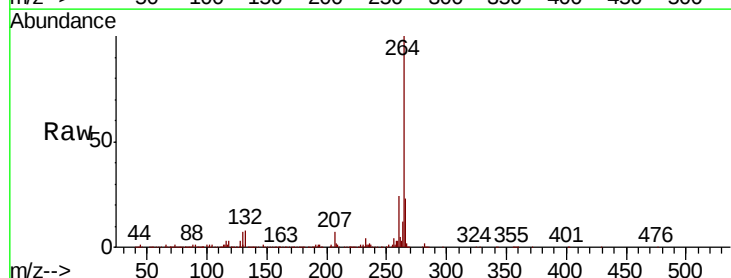
Tgt Ion:264 Resp: 560407

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.6 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

